

■ CONDUCTIVE POLYMER ALUMINUM SOLID CAPACITORS

Series		Features	Standard Type	Miniaturization Low profile type	Low impedance	Long life	High temperature	AEC-Q200	Terminal type	Endurance (+R=With ripple)	Rated voltage range (V _{dc})
Resin-Molded Surface Mount Type	PMA (New!)	Super low ESR, low profile (Ask Engineering Bulletin No.824 in detail)		●	●				—	105°C 5,000 hours	16 to 25
	PXJ (Upgrade!)	Super low ESR, high ripple current, downsized		●	●	●			SMD	105°C 15,000 hours	2.5 to 25
Surface Mount Type	PXG	Super low ESR, high ripple current, downsized		●	●	●			SMD	105°C 3,000 to 15,000 hours	16 to 25
	PXK	Super low ESR, high ripple current, downsized		●	●	●			SMD	105°C 3,000 to 15,000 hours	2.5 to 16
	PXS	Super low ESR, high ripple current		●	●	●			SMD	105°C 20,000 hours	4 to 16
	PXF	Super low ESR, high ripple current		●	●	●			SMD	105°C 3,000 to 15,000 hours	2 to 10
	PXE	Super low ESR, high ripple current		●	●	●			SMD	105°C 15,000 hours	2.5 to 16
	PXA	Super low ESR, high ripple current	●	●	●	●			SMD	105°C 3,000 to 15,000 hours	2.5 to 25
	PXD	125°C, super low ESR, high ripple current		●	●	●	●	●	SMD	125°C 2,000 hours	2.5 to 10
	PXH	125°C, super low ESR, high ripple current		●	●	●	●	●	SMD	125°C 1,000 hours	2.5 to 20
Radial Lead Type	PSJ (New!)	Super low ESR, high ripple current, downsized		●	●				Radial	105°C 2,000 to 5,000 hours	2.5
	PSG (Upgrade!)	Super low ESR, high ripple current		●	●	●			Radial	105°C 15,000 to 20,000 hours	16 to 35
	PSK	Super low ESR, high ripple current		●	●	●			Radial	105°C 20,000 hours	2.5 to 6.3
	PSF	Super low ESR, high ripple current		●	●	●			Radial	105°C 20,000 hours	2 to 16
	PSE	Super low ESR, high ripple current		●	●	●			Radial	105°C 20,000 hours	2.5 to 6.3
	PSC	Super low ESR, high ripple current		●	●	●			Radial	105°C 15,000 hours	2.5 to 16
	PSA	Super low ESR, high ripple current	●	●	●	●			Radial	105°C 15,000 hours	2.5 to 16
	PS	Super low ESR, high ripple current	●	●	●	●			Radial	105°C 15,000 hours	2.5 to 35

■ CONDUCTIVE POLYMER HYBRID ALUMINUM ELECTROLYTIC CAPACITORS

Series		Features	Standard Type	Miniaturization Low profile type	Low impedance	Long life	High temperature	AEC-Q200	Terminal type	Endurance (+R=With ripple)	Rated voltage range (V _{dc})
Surface Mount Type	HXC (New!)	125°C, super low ESR, high ripple current	●		●	●	●	●	SMD	125°C 4,000 hours +R	16 to 63
	HXD (New!)	Super low ESR, high ripple current	●		●			●	SMD	105°C 5,000 hours +R	16 to 63
	HXA	125°C, super low ESR, high ripple current			●	●	●	●	SMD	125°C 4,000 hours +R	16 to 80
	HXB	Super low ESR, high ripple current			●			●	SMD	105°C 5,000 hours +R	16 to 80
Radial Lead Type	HSC (New!)	125°C, super low ESR, high ripple current	●		●	●	●	●	Radial	125°C 4,000 hours +R	25 to 63
	HSD (New!)	Super low ESR, high ripple current	●		●			●	Radial	105°C 5,000 hours +R	25 to 63

■ ALUMINUM ELECTROLYTIC CAPACITORS

Series		Features	Standard Type	Miniaturization Low profile type	Low impedance	Long life	High temperature	AEC-Q200	Terminal type	Endurance (+R=With ripple)	Rated voltage range (V _{dc})
Surface Mount Type	General Purpose	MVA	85°C, standard	●	●				SMD	85°C 2,000 hours	4 to 450
		MVE	105°C, standard	●	●			●	SMD	105°C 1,000 to 2,000 hours	6.3 to 450
	Low Impedance	MZR	Super low ESR, downsized		●	●		●	SMD	105°C 2,000 hours	6.3 to 50
		MZJ	Super low ESR		●	●		●	SMD	105°C 2,000 hours	6.3 to 35
		MZA	Super low impedance, Case size 4 to 18mm		●	●	●	●	SMD	105°C 2,000 to 5,000 hours	6.3 to 100
		MVY	Low impedance, standard, Case size 4 to 18mm	●		●		●	SMD	105°C 1,000 to 5,000 hours	6.3 to 100
		MZF	10,000 hours, Long life, low impedance			●	●		SMD	105°C 10,000 hours	6.3 to 50
		MZE	7,000/8,000 hours, Long life, low impedance			●	●		SMD	105°C 7,000 to 8,000 hours	6.3 to 50
		MZK	5,000 hours, Long life, low impedance		●	●	●		SMD	105°C 5,000 hours	6.3 to 35
		MLA	3,000 hours, Long life, low impedance			●	●		SMD	105°C 3,000 hours	6.3 to 50
	Long Life	MLF	10,000 hours, Long life				●		SMD	105°C 10,000 hours	6.3 to 50
		MLE	7,000/8,000 hours, Long life				●		SMD	105°C 7,000 to 8,000 hours	6.3 to 50
		MLK	5,000 hours, Long life		●		●		SMD	105°C 5,000 hours	6.3 to 35
		MVL	3,000/5,000 hours, Long life				●		SMD	105°C 3,000 to 5,000 hours	6.3 to 50
		MVJ	2,000 hours, Long life				●		SMD	105°C 2,000 hours	6.3 to 50
	Special Application	MHS (New!)	125°C, High temperature reflow soldering(3times)		●		●	●	SMD	125°C 5,000 hours	16 to 100
		MVH	125°C, Case size 6.3 to 18mm	●			●	●	SMD	125°C 1,000 to 5,000 hours	10 to 450
		MHL	125°C, Downsized				●	●	SMD	125°C 2,000 to 4,000 hours	10 to 35
		MHB	125°C, Specified ESR after endurance Case size 8 to 18mm					●	SMD	125°C 1,500 to 3,000 hours	10 to 100
		MHJ	125°C, Specified ESR after endurance					●	SMD	125°C 2,000 to 3,000 hours	10 to 35
		MHK	125°C, Specified ESR after endurance					●	SMD	125°C 2,000 hours	35
		MKB	Specified ESR at low temperature						SMD	105°C 3,000 hours	400
		MV-BP	Bi-polar		●				SMD	85°C 2,000 hours	6.3 to 50
		MVK-BP	Bi-polar		●				SMD	105°C 1,000 hours	6.3 to 50

■ : Recommendation products

AEC-Q200 : AEC-Q200 compliant. Please contact your local Chemi-Con office for more details, test data, information and also non indicated products.

ALUMINUM ELECTROLYTIC CAPACITORS

Series		Features	Standard Type	Miniaturization	Low profile type	Low impedance	Long life	High temperature	AEC-Q200	Terminal type	Endurance (+R=With ripple)	Rated voltage range (V _{dc})
Radial Lead Type	Low Profile	SRM	85°C, 5mm height, downsized	●						Radial	85°C 1,000 hours	4 to 50
		SRE	85°C, 5mm height, standard	●	●					Radial	85°C 1,000 hours	4 to 50
		KRE	105°C, 5mm height, standard	●	●					Radial	105°C 1,000 hours	6.3 to 50
		SRA	85°C, 7mm height, standard	●	●					Radial	85°C 1,000 hours	4 to 63
		KMA	105°C, 7mm height, standard	●	●					Radial	105°C 1,000 hours	4 to 63
		SRG	φ 4×7 to φ 18×25mm, low profile		●					Radial	85°C 1,000 to 2,000 hours	4 to 50
		KRG	φ 4×7 to φ 18×25mm, low profile		●					Radial	105°C 1,000 hours	6.3 to 50
	General Purpose	SMQ	85°C, Downsized		●					Radial	85°C 2,000 hours	6.3 to 450
		KMQ	105°C, Downsized		●					Radial	105°C 1,000 to 2,000 hours +R	6.3 to 450
		SMG	85°C, standard	●	●					Radial	85°C 2,000 hours	6.3 to 450
		KMG	105°C, standard	●	●					Radial	105°C 1,000 to 2,000 hours +R	6.3 to 450
		SME-BP	Bi-polar, downsized (Ask Engineering Bulletin No.865 in detail)		●					Radial	85°C 2,000 hours	6.3 to 100
		KME-BP	Bi-polar, downsized (Ask Engineering Bulletin No.866 in detail)		●					Radial	105°C 1,000 hours	6.3 to 100
	Power Supply Output, Low Impedance	KZN	Long life, low impedance		●	●	●			Radial	105°C 6,000 to 10,000 hours +R	6.3 to 100
		KZM	Long life, super low impedance		●	●	●			Radial	105°C 6,000 to 10,000 hours +R	6.3 to 50
		KZH	Super low impedance, downsized		●	●	●			Radial	105°C 5,000 to 6,000 hours +R	6.3 to 35
		KZE	Low impedance, downsized		●	●	●			Radial	105°C 1,000 to 5,000 hours +R	6.3 to 100
		KYB	Low impedance, downsized		●	●	●			Radial	105°C 4,000 to 10,000 hours +R	6.3 to 100
		KYA	Low impedance, downsized		●	●	●			Radial	105°C 4,000 to 10,000 hours +R	6.3 to 100
		KY	Low impedance, standard	●		●	●			Radial	105°C 4,000 to 10,000 hours +R	6.3 to 100
		LZA	Low impedance, downsized		●	●	●		●	Radial	105°C 4,000 to 7,000 hours +R	6.3 to 35
		LXZ	Low impedance, downsized	●	●	●	●		●	Radial	105°C 2,000 to 8,000 hours +R	6.3 to 63
		LXY	Low impedance			●	●		●	Radial	105°C 2,000 to 8,000 hours +R	10 to 63
		LXV	Low impedance			●	●		●	Radial	105°C 2,000 to 5,000 hours +R	6.3 to 100
	Power Supply Input	KXL (New!)	Long life, downsized, for input filtering		●		●			Radial	105°C 10,000 to 12,000 hours +R	400 to 450
		KXJ	Long life, downsized, for input filtering		●		●		●	Radial	105°C 8,000 to 12,000 hours +R	160 to 500
		KXG	Long life, downsized, for input filtering	●	●		●			Radial	105°C 8,000 to 10,000 hours +R	160 to 450
		KWA	Low profile, long life for input filtering		●		●			Radial	105°C 5,000 hours +R	400 to 450
		KHE	Low profile, high ripple for input filtering		●					Radial	105°C 2,000 hours +R	400 to 450
		PAG	Low profile, for input filtering		●					Radial	105°C 2,000 hours +R	200 to 450
		KLJ	No sparks with DC overvoltage, downsized		●					Radial	105°C 2,000 hours +R	200 to 450
		KLG	No sparks with DC overvoltage (Ask Engineering Bulletin No.679 in detail)							Radial	105°C 2,000 hours +R	200 & 400
		KXF (New!)	Long life, downsized, for input filtering		●		●			Radial	105°C 15,000/20,000 hours +R	160 to 450
		KXE	Long life, downsized, for input filtering		●		●			Radial	105°C 10,000 to 12,000 hours +R	160 to 400
	Power Supply Output	LE	Long life, downsized		●		●			Radial	105°C 10,000 hours +R	10 to 100
		FL	Long life, downsized		●		●			Radial	105°C 3,000 hours +R	6.3 to 50
	High Temperature	GPA	125/150°C, downsized (Guaranteed short time at 150°C)		●	●	●	●	●	Radial	125°C 3,000 to 5,000 hours +R	25 to 100
		GVA	125°C, high vibration resistance		●	●	●	●	●	Radial	125°C 5,000 hours+R	25 to 100
		GXF (New!)	125°C, high ripple		●	●		●	●	Radial	125°C 3,000 hours +R	25 to 400
		GXE	125°C, low impedance, downsized		●	●	●	●	●	Radial	125°C 2,000 to 5,000 hours +R	10 to 450
		GXL	125°C				●	●	●	Radial	125°C 5,000 hours +R	10 to 50
		GPD	135/150°C, high ripple (Guaranteed short time at 150°C)		●	●	●	●	●	Radial	135°C 2,000 to 3,000 hours +R	25 to 100
		GVD	135°C, high vibration resistance		●	●	●	●	●	Radial	135°C 2,000 to 3,000 hours+R	25 to 100
	Special Application	LBK	For airbag, downsized		●	●	●		●	Radial	105°C 5,000 hours +R	25 & 35
		LBG	For airbag		●	●	●		●	Radial	105°C 5,000 hours +R	25 & 35
		PH	For photo flash		●					Radial	55°C 5,000 times charging	300 & 330

■ : Recommendation products

AEC-Q200 : AEC-Q200 compliant. Please contact your local Chemi-Con office for more details, test data, information and also non indicated products.

■ALUMINUM ELECTROLYTIC CAPACITORS

Series			Features	Standard Type	Miniaturization Low profile type	High ripple	Long life	Terminal type	Endurance (+R=With ripple)	Rated voltage range (V _{dc})
Snap-in Type	General Purpose	SMR	85°C, high ripple, downsized		●	●		Pin	85°C 2,000 hours +R	400 to 450
		SMQ	85°C, standard	●		●		Pin	85°C 2,000 hours +R	160 to 450
		KMZ (New!)	105°C, super downsized		●			Pin	105°C 2,000 hours +R	420 & 450
		KMW	105°C, super downsized		●			Pin	105°C 2,000 hours +R	400 to 450
		KMR	105°C, downsized		●	●		Pin	105°C 2,000 hours +R	160 to 450
		KMQ	105°C, standard	●		●		Pin	105°C 2,000 hours +R	35, 50, 160 to 450
		RLB (New!)	85°C, 5,000 hours, high ripple		●	●		Pin	85°C 5,000 hours +R	180 to 250
		RLA	85°C, high ripple		●	●		Pin	85°C 3,000 hours +R	180 to 250
		SMM	85°C, 3,000 hours	●		●	●	Pin	85°C 3,000 hours +R	160 to 450
		KMT	105°C, high ripple			●	●	Pin	105°C 3,000 hours +R	420 & 450
		KMS (Upgrade!)	105°C, downsized	●	●	●	●	Pin	105°C 3,000 hours +R	160 to 550
		KMM	105°C, 3,000 hours	●		●	●	Pin	105°C 3,000 hours +R	160 to 450
		SMH	85°C, standard (Ask Engineering Bulletin No.585 for 160 to 450V)					Pin	85°C 2,000 hours +R	6.3 to 100
		KMH	105°C, standard (Ask Engineering Bulletin No.584 for 160 to 450V)					Pin	105°C 2,000 hours +R	6.3 to 100
	Low Profile	SLM	15mm height, low profile (Ask Engineering Bulletin No.854 in detail)		●			Pin	85°C 2,000 hours +R	160 to 400
		KLM	15mm height, low profile (Ask Engineering Bulletin No.855 in detail)		●			Pin	105°C 2,000 hours +R	160 to 400
	High Temperature	TXH	Long life				●	Pin	105°C 10,000 hours +R	200 to 450
		LXM	Long life, downsized		●		●	Pin	105°C 7,000 hours +R	160 to 450
		LXS (Upgrade!)	Long life, downsized	●	●	●	●	Pin	105°C 5,000 hours +R	160 to 550
		LXQ	Long life, downsized		●		●	Pin	105°C 5,000 hours +R	160 to 450
		LXG	Long life				●	Pin	105°C 5,000 hours +R	10 to 100
	Special Application	CHA	No sparks with DC overvoltage				●	Pin	105°C 2,000 hours +R	200 to 450
		LXH	No sparks with DC overvoltage (Ask Engineering Bulletin No.856 in detail)		●	●	●	Pin	105°C 3,000/5,000 hours +R	200 & 400
		KMV	For charge and discharge application					Pin	105°C 3,000 hours +R	350 to 450
Screw-Mount Type	General Purpose	SME	85°C, standard (Ask Engineering Bulletin No.548 for 160 to 250V)	●				Screw	85°C 2,000 hours +R	10 to 100
		KMQ	105°C, downsized		●			Screw	105°C 2,000 hours +R	315 to 450
		KMH	105°C, standard	●				Screw	105°C 2,000 hours +R	10 to 400
	For Inverter	RWH	High ripple, downsized		●	●	●	Screw	85°C 5,000 hours +R	350 to 450
		RWG	Long life, high ripple, downsized		●	●	●	Screw	85°C 5,000 hours +R	350 to 450
		RWF	Long life, high ripple		●	●	●	Screw	85°C 5,000 hours +R	350 to 450
		RWR	High ripple, downsized		●	●		Screw	85°C 2,000 hours +R	350 to 450
		RWQ	High ripple, downsized	●	●			Screw	85°C 2,000 hours +R	350 to 550
		RWE	High ripple	●	●	●		Screw	85°C 2,000 hours +R	350 to 550
		RWY	Long life, high ripple, low cost			●	●	Screw	85°C 5,000 hours +R	350 to 450
		RWL	Long life, high ripple			●	●	Screw	85°C 20,000 hours +R	350 to 450
		RHB (New!)	85°C, high voltage					Screw	85°C 2,000 hours +R	575 to 700
		RHA	High voltage, high ripple		●	●	●	Screw	85°C 5,000 hours +R	500 to 650
		FTP	Ovalized can shape, high ripple		●	●	●	Screw	85°C 5,000 hours +R	63 to 450
		LXA	105°C, long life		●		●	Screw	105°C 2,000/5,000 hours +R	10 to 525
		LXR	105°C, long life, high ripple			●	●	Screw	105°C 5,000 hours +R	350 to 450
		RWV	For charge and discharge application					Screw	85°C 5,000 hours +R	350 to 450

■ALUMINUM ELECTROLYTIC CAPACITORS (UNITED CHEMI-CON, INC. Products)

Series			Features	Standard Type	Miniaturization Low profile type	High ripple	Long life	Terminal type	Endurance (+R=With ripple)	Rated voltage range (V _{dc})
Screw-Mount Type	For Inverter	U37F	Long life, high ripple		●	●	●	Screw	85°C 5,000 hours +R	350 to 500
		U37L	Long life, high ripple			●	●	Screw	85°C 10,000 hours +R	350 to 500
		U37X	Long life, high ripple			●	●	Screw	85°C 15,000 hours +R	350 to 500
		UTOR	Toroidal shape, long life, high ripple			●	●	Screw	105°C 5,000 hours +R	350 to 500

■ALUMINUM ELECTROLYTIC CAPACITORS FOR AUDIO

Series			Features	Standard Type	Miniaturization Low profile type	Terminal type	Endurance (+R=With ripple)	Rated voltage range (V _{dc})
For Audio	MAR	MELODIO	Surface mount type	●	●	SMD	85°C 2,000 hours	6.3 to 50
	MAK	MELODIO	105°C, Surface mount type			SMD	105°C 1,000 hours	6.3 to 50
	ARI	MELODIO	5mm / 7mm height	●	●	Radial	85°C 1,000 hours	6.3 to 50
	ASG		Standard, downsized		●	Radial	85°C 2,000 hours	6.3 to 100
	ASH		Standard	●	●	Radial	85°C 1,000 hours	6.3 to 100
	AVH	MELODIO	Standard		●	Radial	85°C 1,000 hours	6.3 to 100
	AWJ		High grade		●	Radial	85°C 1,000 hours	16 to 100
	SNX-BP		General purpose speaker network		●	Radial	85°C 1,000 hours	63
	AJ	MELODIO	For input filtering, snap-in type		●	Pin	85°C 1,000 hours	25 to 25

■ : Recommendation products